*Table 4–15. Future Potential Risks for the On-Site Disposal Alternative*

| Overall Summary for All Receptors and Pathways[a] | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Added Cancer (Unitless Probability) | | | | Noncarcinogenic Risks (HI)[b] | | Notes |
| | Chemical | | Radionuclides | | | | |
| Receptor | CT[b] | RME[b] | CT | RME | CT | RME | |
| | | | | | | | |
| **Resident** | | | | | | | Assumes clean, municipal source of domestic water |
| Adult | 0.00 | 0.00 | NA | NA | 0.00 | 0.00 | Assumes clean fill at the site from borrow areas |
| Child | 0.00 | 0.00 | | | 0.00 | 0.00 | |
| | | | | | | | |
| **Rafter** | | | | | | | Assumes 1 day of exposure per year |
| Child | $7.5 \times 10^{-10}$ | $9.38 \times 10^{-10}$ | $1.38 \times 10^{-9}$ | $1.72 \times 10^{-9}$ | 0.00 | 0.00 | Exposure would be from child play in surface water contaminated by ground water |
| | | | | | | | |
| **Camper** | | | | | | | Assumes 1 day of exposure per year |
| Adult | $6.53 \times 10^{-9}$ | $8.16 \times 10^{-7}$ | $3.86 \times 10^{-8}$ | $6.88 \times 10^{-8}$ | 0.02 | 0.03 | Clean soil in areas of exposure |
| Child | $1.10 \times 10^{-8}$ | $2.47 \times 10^{-8}$ | $2.04 \times 10^{-8}$ | $4.44 \times 10^{-8}$ | 0.02 | 0.04 | Exposure would be from child play in surface water contaminated by ground water |
| | | | | | | | |
| **Outside Worker** | | | | | | | Assumes clean, municipal source of domestic water |
| Adult | $1.36 \times 10^{-8}$ | $1.01 \times 10^{-7}$ | NA | NA | 0.00 | 0.01 | |

Note: Under the on-site disposal alternative, contaminated surface material would be placed in an engineered disposal cell (the ground water would still be contaminated). The contaminated surface materials would be isolated in the on-site cell. No dose from these isolated materials would be expected.

[a] See Appendix D for details on the assumptions and calculation methods used to estimate the risks.

[b] HI = Hazard Index; CT = Central Tendency: RME = Reasonable Maximum Exposure.